

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference TEL0817.WO.PO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/EP 02/11903	International filing date (day/month/year) 24/10/2002	(Earliest) Priority Date (day/month/year)
Applicant TELECOM ITALIA LAB S.P.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

A RECONFIGURABLE STATE MACHINE ARCHITECTURE AND RELATED METHOD OF EXECUTION

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1 _____
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 02/11903

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An architecture for a state machine (10) with a number of states of the machine, comprises a memory (14) having a set of addresses. The memory (14) is arranged to store at each of said addresses in the set the complete description of a respective one of said number of states of the machine (10).

INTERNATIONAL SEARCH REPORT

International Application No

PCT/2/11903

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/045

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G06F G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	US 4 370 729 A (BOSCH EUGEN I) 25 January 1983 (1983-01-25) column 2, line 62 - line 68 figures 1-3	1-11, 17-32, 38-42
✓ A	US 4 755 967 A (GABRIS JOSEPH ET AL) 5 July 1988 (1988-07-05) figures 2,4	9-11,21, 30-32,42
✓ Y	US 5 125 098 A (BURROWS JAMES L) 23 June 1992 (1992-06-23) column 4, line 64 - line 67 column 5, line 1 - line 8	12,33
✓ A	---	13-16, 34-37
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

9 September 2003

Date of mailing of the international search report

26/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2,
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bosch Vivancos, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/2/11903

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ Y	HENNESSY J L ET AL: "Computer Organization and Design. The hardware/software interface", MORGAN KAUFMAN, SAN FRANCISCO, CALIFORNIA XP002253365 page 509; figure 7.27 ---	12, 33
✓ X	US 4 407 015 A (ZIOBRO DANIEL P) 27 September 1983 (1983-09-27) column 3, line 18 - line 26; figure 2 ---	1-8, 18, 22-29, 39
✓ A	HENNESSY J L ET AL: "Computer Organization and Design. The hardware/software interface", COMPUTER ORGANIZATION AND DESIGN: THE HARDWARE/SOFTWARE INTERFACE, XX, XX, PAGE(S) C3-C26 XP002247698 figure C.15 -----	17, 19, 20, 38, 40, 41

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/92/11903

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4370729	A	25-01-1983	NONE	
US 4755967	A	05-07-1988	EP JP	0238125 A2 62226306 A
				23-09-1987 05-10-1987
US 5125098	A	23-06-1992	NONE	
US 4407015	A	27-09-1983	NONE	